

## **XV. Oceanography- Government**

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*Section XV of the Modifications of Activities Planned for 2001-2002 presents final information regarding United States Antarctic Program sponsored oceanographic expeditions during the 2001-2002 season.*

**Note:** For actual tracks of the Research Vessels *Nathaniel B. Palmer* and *Laurence M. Gould* please see Attachment C, Cruise Tracks.

### ***R/V Nathaniel B. Palmer***

The *R/V Nathaniel B. Palmer* made nine science cruises during the period of 30 March 2001 through 31 March 2002. Cruises are:

**Cruise NBP01-02**

1 April – 19 April 2001: Transit from Cape Town, South Africa to Punta Arenas, Chile. *At-sea experiences in real-time marine geophysical data collection methods and geophysical data processing.*

GO-071-O (Cande)

**Cruise NBP01-03**

23 April – 06 June 2001: *SO GLOBEC Survey I*

BG-247-O (Wiebe)

**Cruise NBP01-03A**

09 June – 20 June 2001: *Palmer Shuttle*

21 June – 20 July 2001 *Maintenance Period Punta Arenas, Chile*

**Cruise NBP01-04**

21 July – 01 September 2001: *SO GLOBEC Survey II*

BG-247-O (Wiebe)

**Cruise NBP01-05**

07 September – 19 October 2001 *Long Term Ecological Research (LTER) on the Antarctic Marine Ecosystem: An Ice-Dominated Environment.*

BP-032-L/N/P (Raymond Smith)

**Open Period** 20 October – 29 October 2001

**Cruise NBP01-05A**

30 October – 05 November 2001 *RPSC Training Cruise*

**Cruise NBP01-06**

09 November – 01 December 2001: *Cape Shirreff Opening November 13-15*

**Cruise NBP01-07**

05 December – 13 January 2002: *Development of a Luminescence Dating Capability for Antarctic Glaciomarine Sediments: Tests of Signal Zeroing at the Antarctic Peninsula*

GO-092-O (Berger)

GO-073-O (Domack)

09 December – Set up Aronson (GO-065-O) *Seymour Island*

09 January – Pick up Aronson *Seymour Island.*

**Cruise NBP02-01**

18 January – 04 March 2002 *Late Pleistocene to Holocene Glacial History of West Antarctica.*

GO-083-O (Anderson)

**Open Period**

05 March - 08 April 2002

### **Biology & Medicine**

<b>Principal Investigator</b>	<b>Event</b>	<b>Institution</b>
Fritsen (+1)	BG-235-O	Desert Research Institute
Daly (+4)	BG-236-O	University of Southern Florida
Hildebrand (+6)	BG-239-O	Scripps Institute of Oceanography
Powell (+2)	BG-242-O	University of California, Berkeley
Ribic (+4)	BG-243-O	University of Wisconsin, Madison
Torres (+4)	BG-245-O	USF, College of Marine Science
Vernet (+10)	BG-246-O	USCD
Wiebe, Peter (+16)	BG-247-O	Woods Hole Oceanographic Inst.
Zhou (+1)	BG-248-O	University of Massachusetts
Fraser (+2)	BP-013-O	Woods Hole Oceanographic Inst
Martinson (+1)	BP-021-O	Lamont Doherty Earth Observatory
Ross/Quetin (+8)	BP-028-O	University of California, Santa Barbara
Smith, Raymond (+5)	BP-032-O	Woods Hole Oceanographic Inst
Ducklow (+4)	BP-045-O	College of William & Mary
Karl (+4)	BP-046-O	University of Hawaii

### **Oceans and Climate**

<b>Principal Investigator</b>	<b>Event</b>	<b>Institution</b>
Beardsley (+3)	OG-231-O	Woods Hole Oceanographic Inst
Fanning (+4)	OG-233-O	University of Southern Florida
Padman (+1)	OG-238-O	Earth & Space Research
Hofmann (+8)	OG-240-O	Old Dominion

### **Geology & Geophysics**

<b>Principal Investigator</b>	<b>Event</b>	<b>Institution</b>
Berger (+10)	GO-092-O	Research Desert Institute
Cande, Steve (+12)	GO-071-O	Scripps Institute of Oceanography
Anderson (+9)	GO-083-O	Rice University
Bart (+5)	GO-154-O	Louisiana State University

## **R/V *Laurence M. Gould***

The R/V *Laurence M. Gould* made fourteen science cruises and passenger transports to the Antarctic Peninsula during the period of 31 March 2001 through 1 April 2002.

### **Cruise LMG01-03**

18 March – 13 April 2001: *Deglacial Chronology of the Northern Scott Coast form Relative Sea-Level Curves*

IO-196-O (Hall)

### **Cruise LMG01-4**

20 April 2001 – 06 June 2001: *GLOBEC-LMG/NBP I*

BG-245-O (Torres)

### **Cruise LMG01-05**

11 June – 16 July 2001: *Proteins of Oxygen-Binding and Energy Metabolism in Muscles of Antarctic Fishers: Evolutionary Adjustments to Life at Cold Temperatures and Structure, Function, and Expression of Tubulins, Globins, and Microtubule-Dependent Motors from Cold-Adapted Antarctic Fishes*

BO-036-O (Sidell)

BO-037-O (Detrich)

### **Cruise LMG01-06**

21 July – 01 September 2001 *GLOBEC LMG/NBP II*

BG-232-O (Costa)

### **Cruise LMG01-07**

02 September – 14 September 2001: *Maintenance Period, Punta Arenas, Chile*

### **Cruise LMG01-08**

15 September – 29 September 2001: *Palmer Station Opening*

### **Cruise- Open period**

September 30 – 07 October 2001

### **Cruise LMG01-08A**

08 October – 21 October 2001: *Open COPA*

**Cruise LMG01-08B**

26 October – 06 November 2001: *Palmer Station Shuttle #2*

**Cruise Open period**

07 November – 01 December 2001

**Cruise LMG01-09**

02 December – 28 December 2001: *Dynamics of Predator-Prey Behavior in the Antarctic Ocean, Dispersal of Planktonic Invertebrate Larvae and the Biogeography of the Antarctic Benthos.*

BO-023-O (Veit)

BO-281-O (Scheltema)

**Cruise LMG02-01**

02 January – 01 February 2002: *Long Term Ecological Research (LTER) on the Antarctic Marine Ecosystem: An Ice-Dominated Environment*

BP-028 (Quetin/Ross)

**Cruise LMG02-01A, LMG01-02B, and LMG02-02**

05 February – 03 March 2002: Palmer Station Shuttle

07 March – 18 March 2002: Palmer Station Shuttle

22 March – 02 April 2002: Palmer Station Shuttle

## **Biology & Medicine**

<b>Principal Investigator</b>	<b>I.D. No.</b>	<b>Institution</b>
Costa (+8)	BG-232-O	University of California, Santa Cruz
Fraser (+3)	BG-234-O	Polar Oceans Research Group
Fritzen (+5)	BG-235-O	Desert Research Institute
Daly (+2)	BG-236-O	University of Southern Florida
Harvey (+2)	BG-237-O	Chesapeake Bio Lab, UMCES
Ross-Quetin (+24)	BG-244-O	University of California, Santa Barbara
Torres, Joseph (+5)	BG-245-O	University of South Florida

Zhou (+4)	BG-248-O	University of Massachusetts
Veit, Richard (+10)	BO-023-O	City University of New York
Sidell, Bruce (+5)	BO-036-O	University of Maine
Detrich, Wm. (+6)	BO-037-O	Northeastern University
Scheltema, Rudolph (+11)	BO-281-O	Woods Hole Oceanographic Inst.

### **Glaciology**

<b>Principal Investigator</b>	<b>I.D. No.</b>	<b>Institution</b>
Hall, Brenda (+1)	IO-196-O	University of Maine

### **Ocean & Climate**

<b>Principal Investigator</b>	<b>I.D. No.</b>	<b>Institution</b>
Padman (+1)	OG-238-O	Earth & Science Research
Hofmann (+1)	OG-240-O	Old Dominion
Martinson (+3)	OG-241-O	Lamont Doherty Earth Observatory

### ***R/V Yuzhmorgeologiya***

Information on cruises conducted by the *R/V Yuzhmorgeologiya* on behalf of NOAA's Antarctic Marine Living Resources field program is not available at this time. The "AMLR 2001/2002 Field Season Report" will be available later in the fall. Contact the following address for a copy of the printed report:

Southwest Fisheries Service Center  
National Marine Fisheries Service  
National Oceanic & Atmospheric Administration  
P.O. Box 271  
La Jolla, CA 92038

Note: See Appendix III for complete list of scientific personnel for each I.D. No.